

FIG. 1A

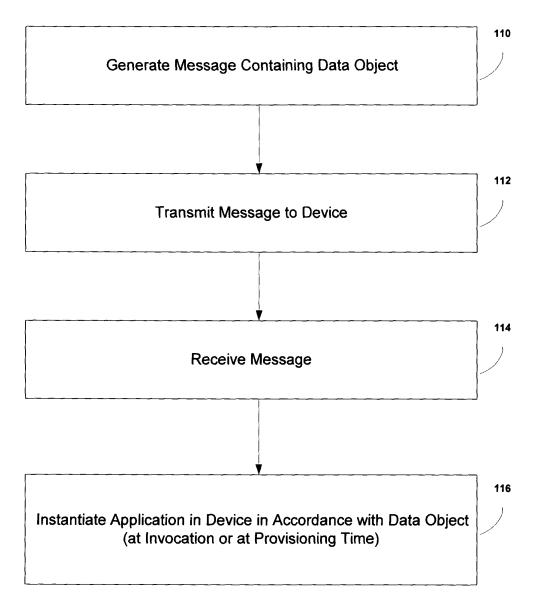


FIG. 1B

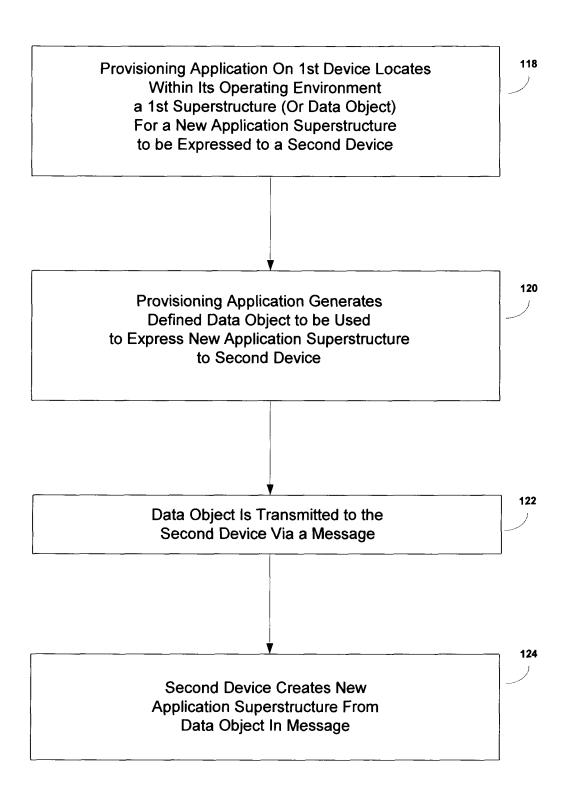


FIG. 1C

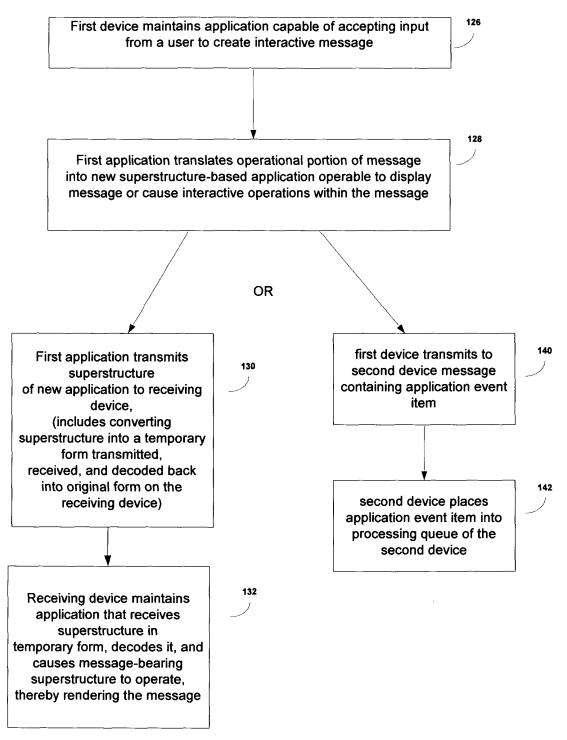


FIG. 1D

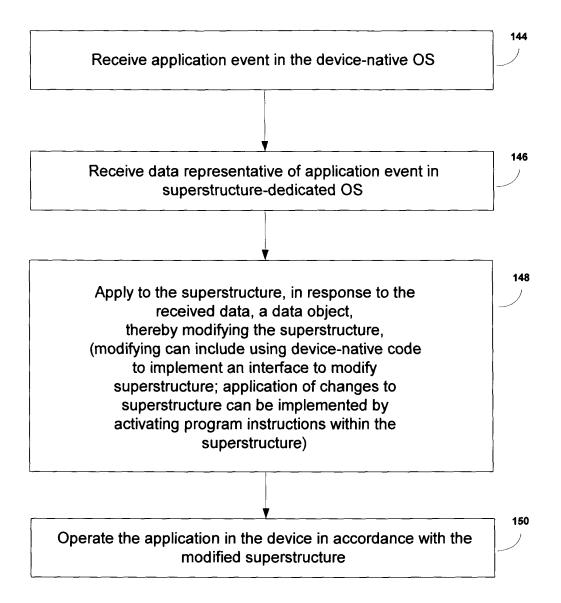


FIG. 1E

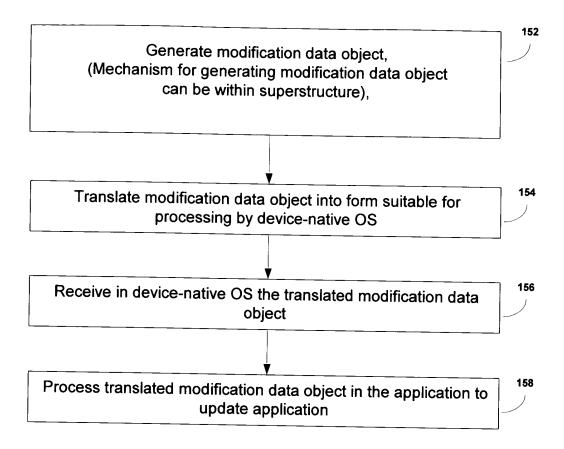


FIG. 1F

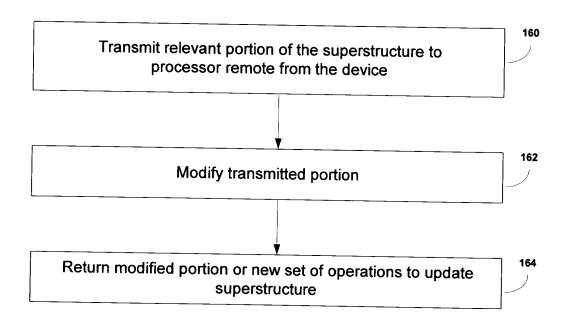


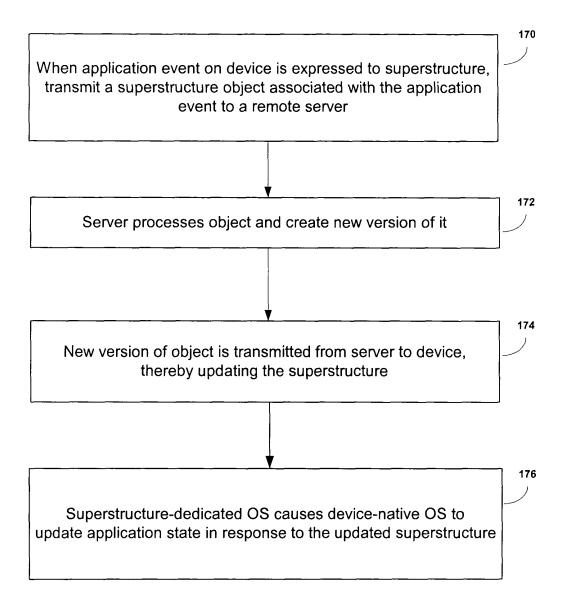
FIG. 1G

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Store copy of superstructure on application server, (superstructure having data objects operable to instantiate applications in the remote device)

Replicate data objects in the superstructure from server to device to enable instantiation of new data objects/applications from server to device

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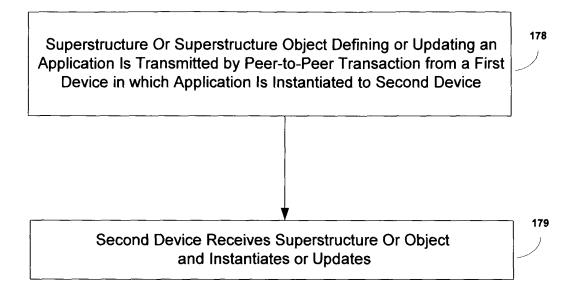


FIG. 1J

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Convert portion of superstructure into device-portable form

Reconstruct original superstructure portion, using device portable form, without loss of state

(can utilize device-specific stylesheet – device-portable form can be used as intermediate or permanent storage format for recording data within superstructure)

FIG. 1K

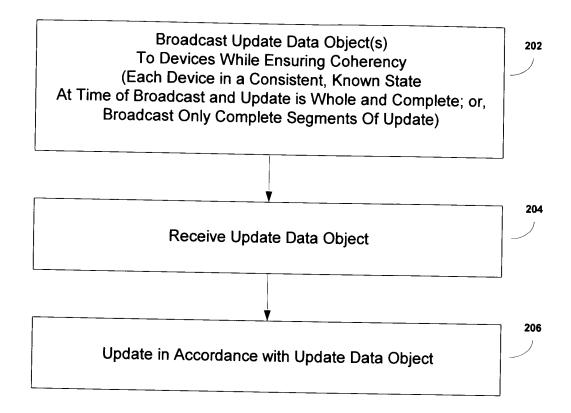


FIG. 2

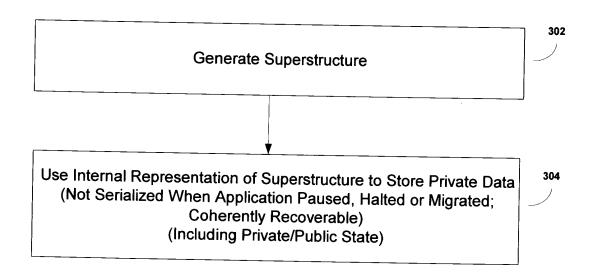


FIG. 3

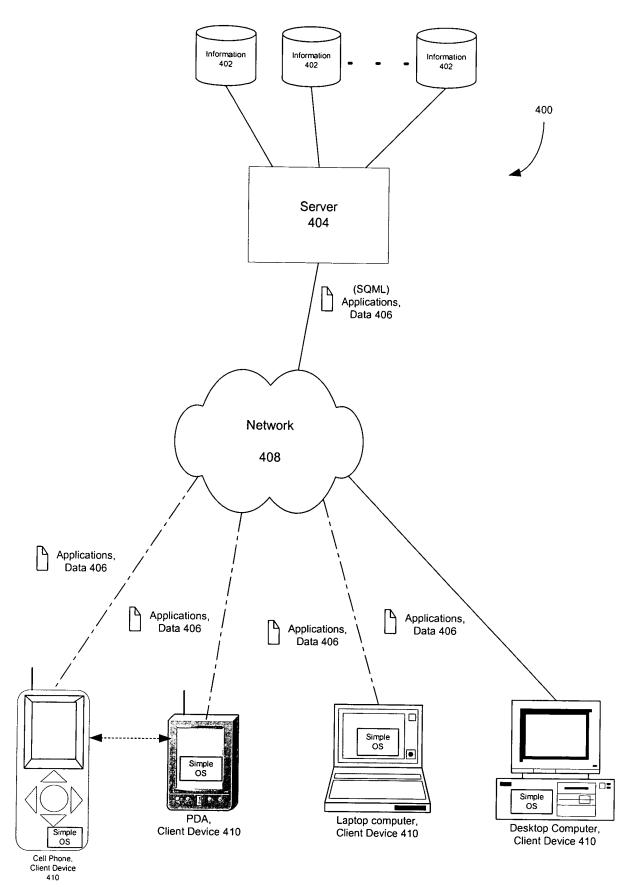


FIG. 4

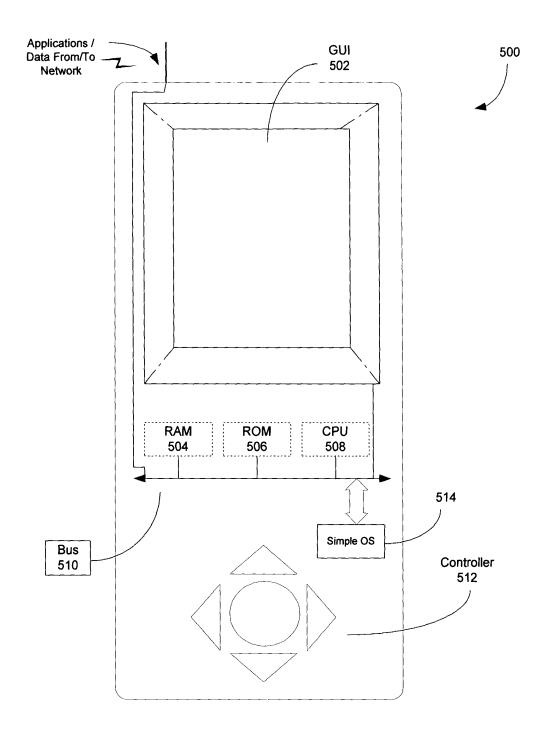


FIG. 5

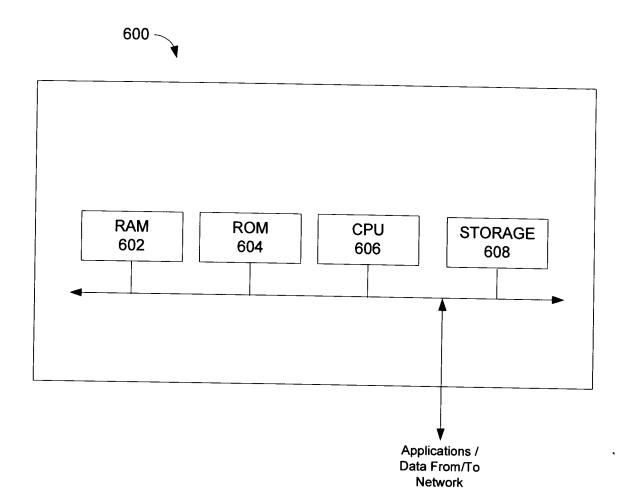


FIG. 6

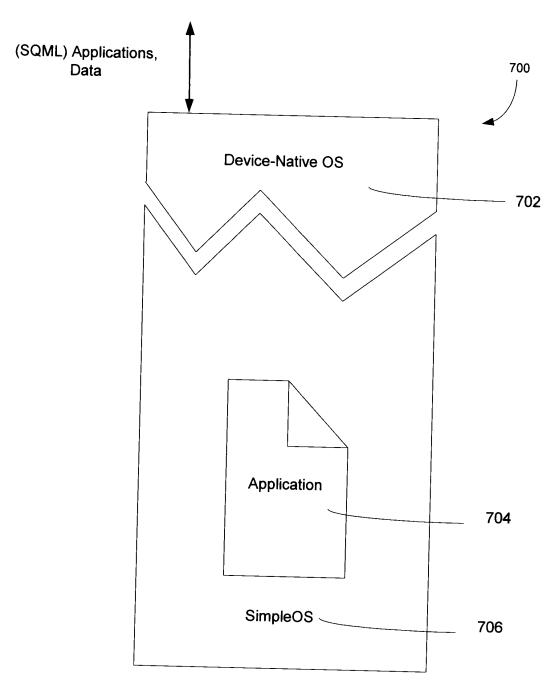
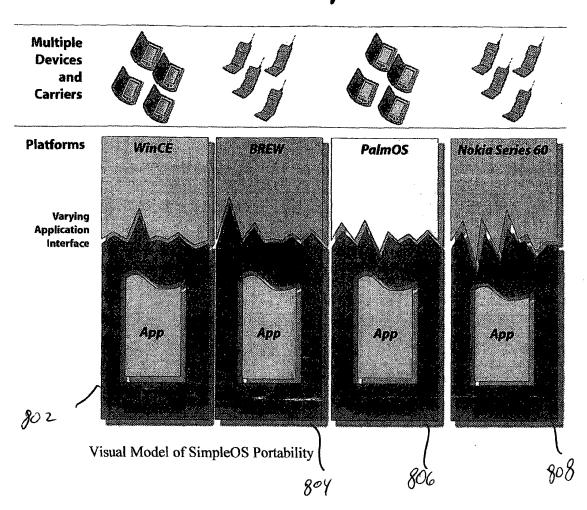
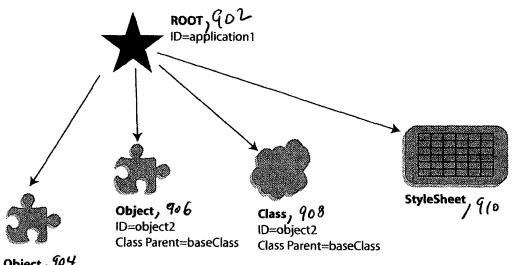


FIG. 7



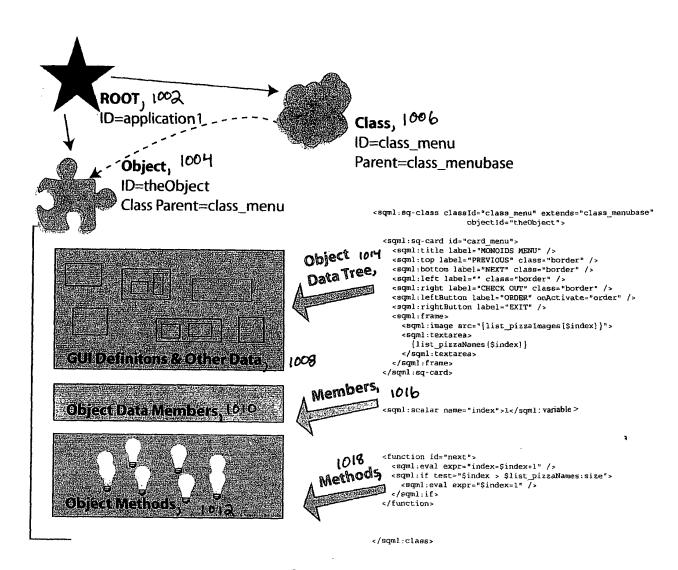


F16.8

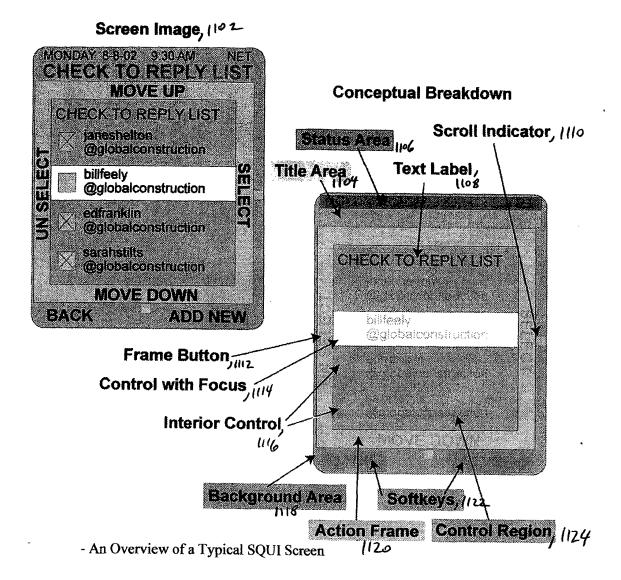


**Object**, 904
ID=object1
Class Parent=baseClass

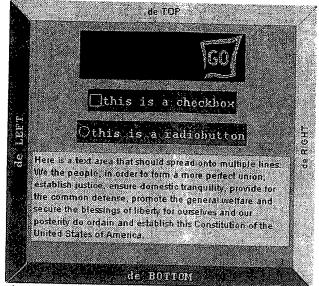
Basic Diagram of the Superstructure



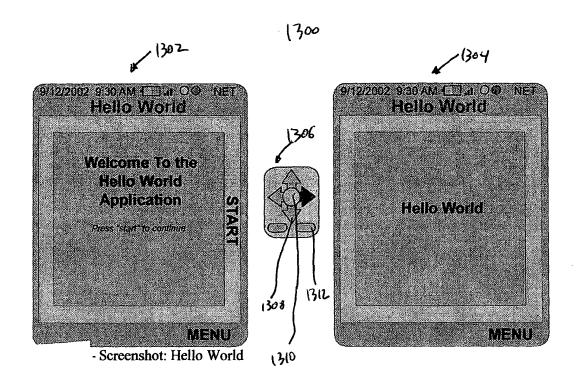
Organization of an Object



F16-11



Screenshot of an Example Static Application



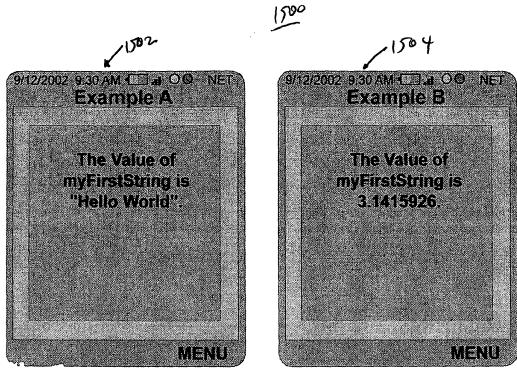
F16.13

9/12/2002 9:30 AM D. II OO NET Magic Numbers

The Magic Numbers

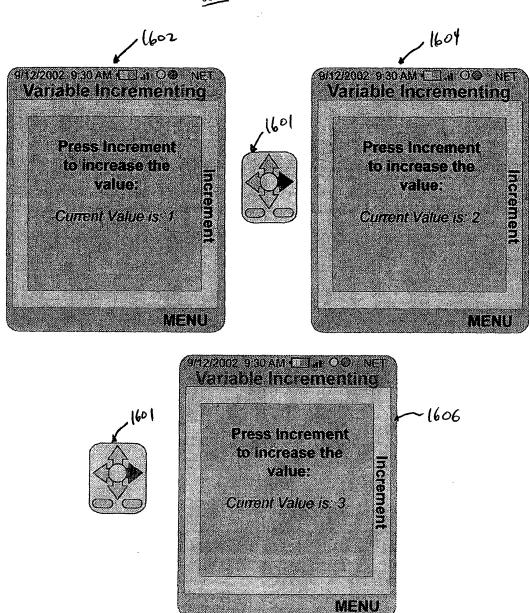
MENU

· Screenshot: Expression Interpolation

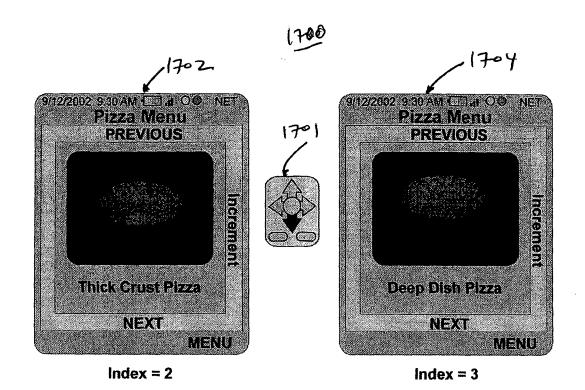


· Screenshot: Objects with Variables

FIG. 15

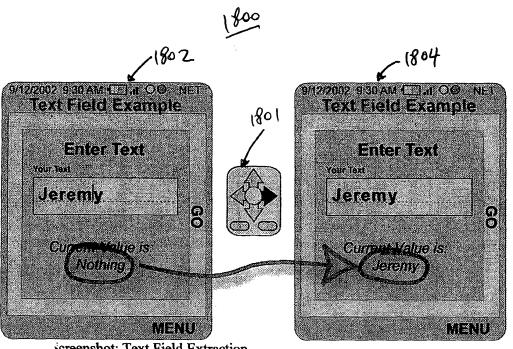


Screenshot: Variable Incrementing



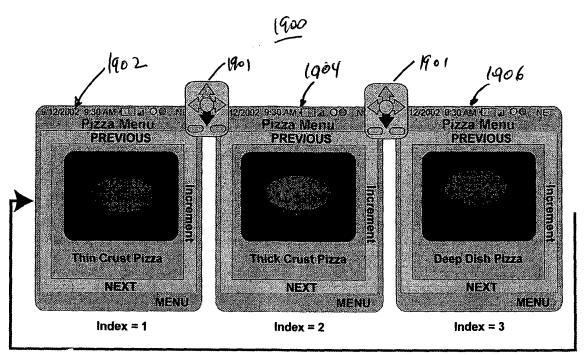
- Screenshot: Pizza Ordering Version 1.0

F16.17



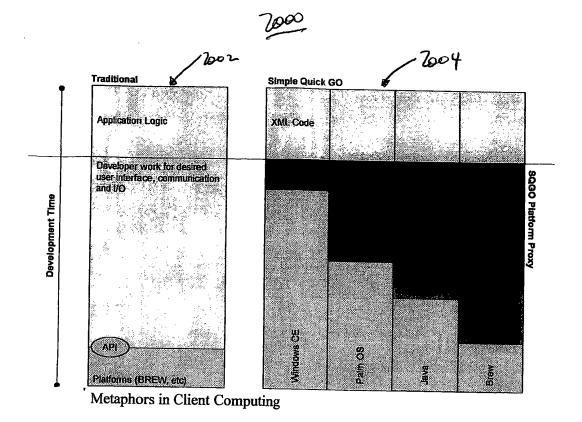
screenshot: Text Field Extraction

F16-18



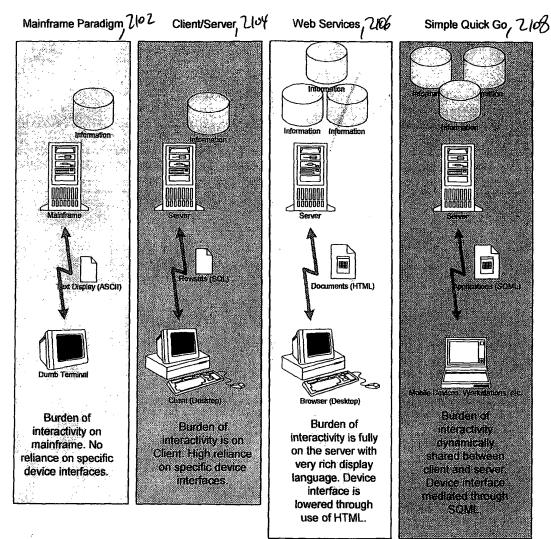
Screenshot: Pizza Ordering Revisited

F16.19



F16.20

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· Various Client/Computing Models